

## ABSTRACT

### DEVICE FOR THE ANGULAR POSITIONING OF AN INCIDENCE PROBE ON A WALL, OF THE TYPE COMPRISING A WEATHER VANE THAT CAN MOVE ABOUT AN AXIS, PARTICULARLY ON A WALL OF AN AIRCRAFT

The invention relates to a device for the *in situ* angular positioning of an incidence probe (1) of the weather vane type, equipped with a vane (121) and mounted on an airplane ( $A_v$ ). According to the invention, the axis of rotation ( $\Delta_s$ ) of the probe (12) is used directly as a positioning reference. The angular-positioning device comprises a fixed structure (3) secured (33-330-331, 34-340-341) to the wall of the airplane ( $A_v$ ), of annular shape (30) and comprising a circular track (31, 32) for a moving slider (4). The vane (121) is immobilized in an enveloping structure (5a). A coupling member (7) coupling the slider (4) and the enveloping shape (5a) is fixed to the latter. Coupling is afforded by a flat spring leaf (71) comprising a stud (72) at its end. The stud (72) is slipped into a slit (412) of the slider (4), which allows the vane (121) to be driven about its axis of rotation ( $\Delta_s$ ). The position is measured using a digital inclinometer (6).

FIGURE 8